

SUSSEX COUNTY, NEW JERSEY  
COMPREHENSIVE HYDRIC SOILS LIST

All mapunits are displayed regardless of hydric status and are listed in alpha-numeric order by mapunit symbol. The "Hydric Soils Criteria" columns indicate the conditions that caused the mapunit component to be classified as "Hydric" or "Non-Hydric". These criteria are defined in "Hydric Soils of the United States" (USDA Miscellaneous Publication No. 1491, June, 1991 as revised in the Federal Register, Vol. 60, No. 37, February 24, 1995). See the "Criteria for Hydric Soils" endnote to determine the meaning of these columns. Spot symbols are footnoted at the end of the table.

Map Symbol Mapunit Name	Component(C)/ Inclusion(I)	Hydric	Local Landform	Hydric Soils Criteria				Acres
				Hydric Criteria Code	Meets Saturation Criteria	Meets Flooding Criteria	Meets Ponding Criteria	
AlB: ALBIA GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES---	ALBIA (C) CHIPPEWA (I)	No Yes	Depression	2B3	YES	NO	NO	3550
AlC: ALBIA GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES--	ALBIA (C) CHIPPEWA (I)	No Yes	Depression	2B3	YES	NO	NO	1380
AmB: ALBIA EXTREMELY STONY LOAM, 3 TO 8 PERCENT SLOPES-----	ALBIA (C) CHIPPEWA (I)	No Yes	Depression	2B3	YES	NO	NO	1480
Ar: ALLUVIAL LAND, WET----	ALLUVIAL LAND, WET (C)	Yes	Flood Plain	2B3	YES	NO	NO	1340
At: ATHERTON LOAM-----	ATHERTON (C)	Yes	Steptoe	2B3,3	YES	NO	YES	2550
BaB: BATH LOAM, 3 TO 8 PERCENT SLOPES-----	BATH (C)	No						3750

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Map Symbol Mapunit Name	Component(C)/ Inclusion(I)	Hydric	Local Landform	Hydric Soils Criteria				Acres
				Hydric Criteria Code	Meets Saturation Criteria	Meets Flooding Criteria	Meets Ponding Criteria	
BaC: BATH LOAM, 8 TO 15 PERCENT SLOPES-----	BATH (C)	No						5200
BfD: BATH GRAVELLY LOAM, 15 TO 25 PERCENT SLOPES--	BATH (C)	No						2100
BfE: BATH GRAVELLY LOAM, 25 TO 40 PERCENT SLOPES--	BATH (C)	No						310
BgB: BATH VERY STONY LOAM, 3 TO 8 PERCENT SLOPES-	BATH (C)	No						790
BgD: BATH VERY STONY LOAM, 8 TO 25 PERCENT SLOPES	BATH (C)	No						2350
BgE: BATH VERY STONY LOAM, 25 TO 40 PERCENT SLOPES-----	BATH (C)	No						520
BrA: BRACEVILLE GRAVELLY SANDY LOAM, 0 TO 3 PERCENT SLOPES-----	BRACEVILLE(C) ATHERTON (I)	No Yes	Depression	2B3,3	YES	NO	YES	1200

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Map Symbol Mapunit Name	Component(C)/ Inclusion(I)	Hydric	Local Landform	Hydric Soils Criteria				Acres
				Hydric Criteria Code	Meets Saturation Criteria	Meets Flooding Criteria	Meets Ponding Criteria	
BrB: BRACEVILLE GRAVELLY SANDY LOAM, 3 TO 8 PERCENT SLOPES-----	BRACEVILLE(C) ATHERTON (I)	No Yes	Depression	2B3,3	YES	NO	YES	570
Ca: CARLISLE MUCK-----	CARLISLE (C)	Yes	Bog	1,3	YES	NO	YES	12000
ChB: CHENANGO GRAVELLY FINE SANDY LOAM, 3 TO 8 PERCENT SLOPE S-----	CHENANGO (C)	No						4650
ChD: CHENANGO GRAVELLY FINE SANDY LOAM, 8 TO 25 PERCENT SLOP ES-----	CHENANGO (C)	No						2750
ClC: CHENANGO COBBLY SANDY LOAM, 3 TO 15 PERCENT SLOPES-----	CHENANGO (C)	No						1970
ClD: CHENANGO COBBLY SANDY LOAM, 15 TO 35 PERCENT SLOPES-----	CHENANGO (C)	No						1700
CmB: CHIPPEWA EXTREMELY STONY LOAM, 0 TO 8 PERCENT SLOPES-----	CHIPPEWA (C)	Yes	Depression	2B3	YES	NO	NO	3100

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Map Symbol Mapunit Name	Component(C)/ Inclusion(I)	Hydric	Local Landform	Hydric Soils Criteria				Acres
				Hydric Criteria Code	Meets Saturation Criteria	Meets Flooding Criteria	Meets Ponding Criteria	
CnB: CHIPPEWA SILT LOAM, 3 TO 8 PERCENT SLOPES---	CHIPPEWA (C)	Yes	Depression	2B3	YES	NO	NO	3000
CoB: COLONIE LOAMY FINE SAND, 3 TO 8 PERCENT SLOPES-----	COLONIE (C)	No						460
CoC: COLONIE LOAMY FINE SAND, 8 TO 15 PERCENT SLOPES-----	COLONIE (C)	No						270
FrA: FREDON LOAM, 0 TO 3 PERCENT SLOPES-----	FREDON (C)	Yes	Steptoe	2B3	YES	NO	NO	2050
FrB: FREDON LOAM, 3 TO 8 PERCENT SLOPES-----	FREDON (C)	Yes	Steptoe	2B3	YES	NO	NO	870
Ha: HALSEY LOAM-----	HALSEY (C)	Yes	Depression	2B3	YES	NO	NO	2000
HfA: HAZEN GRAVELLY LOAM, 0 TO 3 PERCENT SLOPES---	HAZEN (C)	No						660
HfB: HAZEN GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES---	HAZEN (C)	No						5700

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Map Symbol Mapunit Name	Component(C)/ Inclusion(I)	Hydric	Local Landform	Hydric Soils Criteria				Acres
				Hydric Criteria Code	Meets Saturation Criteria	Meets Flooding Criteria	Meets Ponding Criteria	
HfD: HAZEN GRAVELLY LOAM, 8 TO 25 PERCENT SLOPES--	HAZEN (C)	No						3750
HgE: HAZEN AND PALMYRA GRAVELLY SANDY LOAMS, 25 TO 45 PERCENT SLOPES-----	HAZEN (C)	No						1375
	PALMYRA (C)	No						1375
HkA: HERO LOAM, 0 TO 3 PERCENT SLOPES-----	HERO (C)	No						1220
	FREDON (I)	Yes	Depression	2B3	YES	NO	NO	
	HALSEY (I)	Yes	Depression	2B3	YES	NO	NO	
HkB: HERO LOAM, 3 TO 8 PERCENT SLOPES-----	HERO (C)	No						1080
HmB: HIBERNIA GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES-----	HIBERNIA (C)	No						660
	WHITMAN (I)	Yes	Depression	2B3,3	YES	NO	YES	
HnB: HIBERNIA VERY STONY LOAM, 3 TO 8 PERCENT SLOPES-----	HIBERNIA (C)	No						4550
	WHITMAN (I)	Yes	Depression	2B3,3	YES	NO	YES	

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Map Symbol Mapunit Name	Component(C)/ Inclusion(I)	Hydric	Local Landform	Hydric Soils Criteria				Acres
				Hydric Criteria Code	Meets Saturation Criteria	Meets Flooding Criteria	Meets Ponding Criteria	
HnD: HIBERNIA VERY STONY LOAM, 8 TO 25 PERCENT SLOPES-----	HIBERNIA (C)	No						1200
HoB: HOOSIC GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES-	HOOSIC (C)	No						570
HoD: HOOSIC GRAVELLY LOAM, 8 TO 25 PERCENT SLOPES	HOOSIC (C)	No						720
Lv: LIVINGSTON SILTY CLAY LOAM-----	LIVINGSTON(C)	Yes	Depression	2B3	YES	NO	NO	3750
Ly: LYONS SILT LOAM-----	LYONS (C)	Yes	Depression	2B3,3	YES	NO	YES	1340
Lz: LYONS VERY STONY SILT LOAM-----	LYONS (C)	Yes	Depression	2B3,3	YES	NO	YES	1120
Ma: MADE LAND, SANITARY LAND FILL-----	MADE LAND, SANITARY (C)	No						340

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COMPREHENSIVE HYDRIC SOILS LIST (Continued)

Map Symbol Mapunit Name	Component(C)/ Inclusion(I)	Hydric	Local Landform	Hydric Soils Criteria				Acres
				Hydric Criteria Code	Meets Saturation Criteria	Meets Flooding Criteria	Meets Ponding Criteria	
Md: MIDDLEBURY LOAM-----	MIDDLEBURY(C)	No						1500
	SLOAN (I)	Yes	Flood Plain	2B3,3	YES	NO	YES	
	WAYLAND (I)	Yes	Flood Plain	2B3	YES	NO	NO	
NaB: NASSAU ROCKY SILT LOAM, 3 TO 8 PERCENT SLOPES-----								1480
	NASSAU (C)	No						
NaC: NASSAU ROCKY SILT LOAM, 8 TO 15 PERCENT SLOPES-----								5200
	NASSAU (C)	No						
NfD: NASSAU-ROCK OUTCROP COMPLEX, 15 TO 25 PERCENT SLOPES-----								6138
	NASSAU (C)	No						
	ROCK (C)	No						
NfE: NASSAU-ROCK OUTCROP COMPLEX, 25 TO 45 PERCENT SLOPES-----								5332
	NASSAU (C)	No						
	ROCK (C)	No						
	OUTCROP							3268

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Map Symbol Mapunit Name	Component(C)/ Inclusion(I)	Hydric	Local Landform	Hydric Soils Criteria				Acres
				Hydric Criteria Code	Meets Saturation Criteria	Meets Flooding Criteria	Meets Ponding Criteria	
Ng: NASSAU-ROCK OUTCROP COMPLEX, EXTREMELY STONY-----								
	NASSAU (C) ROCK	No						1116
	OUTCROP (C)	No						684
NhA: NORWICH SILT LOAM, 0 TO 3 PERCENT SLOPES---								
	NORWICH (C)	Yes	Depression	2B3	YES	NO	NO	13300
NoA: NORWICH VERY STONY SILT LOAM, 0 TO 3 PERCENT SLOPES-----								
	NORWICH (C)	Yes	Depression	2B3	YES	NO	NO	3450
OmB: OQUAGA EXTREMELY STONY LOAM, 3 TO 8 PERCENT SLOPES-----								
	OQUAGA (C)	No						360
OmD: OQUAGA EXTREMELY STONY LOAM, 8 TO 25 PERCENT SLOPES-----								
	OQUAGA (C)	No						2550
OrD: OQUAGA-ROCK OUTCROP ASSOCIATION, MODERATELY STEEP-----								
	OQUAGA (C) ROCK	No						8308
	OUTCROP (C)	No						5092



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COMPREHENSIVE HYDRIC SOILS LIST (Continued)

Map Symbol Mapunit Name	Component(C)/ Inclusion(I)	Hydric	Local Landform	Hydric Soils Criteria				Acres
				Hydric Criteria Code	Meets Saturation Criteria	Meets Flooding Criteria	Meets Ponding Criteria	
OtC: OTISVILLE GRAVELLY LOAMY SAND, 3 TO 15 PERCENT SLOPES-----	OTISVILLE (C)	No						770
OtD: OTISVILLE GRAVELLY LOAMY SAND, 15 TO 35 PERCENT SLOPES-----	OTISVILLE (C)	No						560
PaA: PALMYRA GRAVELLY FINE SANDY LOAM, 0 TO 3 PERCENT SLOPES-----	PALMYRA (C)	No						380
PaB: PALMYRA GRAVELLY FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES-----	PALMYRA (C)	No						1850
PaD: PALMYRA GRAVELLY FINE SANDY LOAM, 8 TO 25 PERCENT SLOPE S-----	PALMYRA (C)	No						2100
Pt: PITS, SAND AND GRAVEL-	PITS, SAND AND GRAVE (C)	No						470

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COMPREHENSIVE HYDRIC SOILS LIST (Continued)

Map Symbol Mapunit Name	Component(C)/ Inclusion(I)	Hydric	Local Landform	Hydric Soils Criteria				Acres
				Hydric Criteria Code	Meets Saturation Criteria	Meets Flooding Criteria	Meets Ponding Criteria	
PvA: POMPTON FINE SANDY LOAM, 0 TO 3 PERCENT SLOPES-----								
	POMPTON (C) PREAKNESS (I)	No Yes	Depression	2B3	YES	NO	NO	790
Pw: PREAKNESS SANDY LOAM--								
	PREAKNESS (C)	Yes	Depression	2B3	YES	NO	NO	670
Qu: QUARRIES-----								
	QUARRIES (C)	No						326
RaB: RAYNHAM SILT LOAM, 0 TO 5 PERCENT SLOPES---								
	RAYNHAM (C) LIVINGSTON(I)	Yes Yes	Depression Depression	2B3 2B3	YES YES	NO NO	NO NO	1150
RhB: RIVERHEAD SANDY LOAM, 3 TO 8 PERCENT SLOPES-								
	RIVERHEAD (C)	No						1480
RhC: RIVERHEAD SANDY LOAM, 8 TO 25 PERCENT SLOPES								
	RIVERHEAD (C)	No						1190
RoB: ROCKAWAY GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES-----								
	ROCKAWAY (C)	No						2500

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COMPREHENSIVE HYDRIC SOILS LIST (Continued)

Map Symbol Mapunit Name	Component(C)/ Inclusion(I)	Hydric	Local Landform	Hydric Soils Criteria				Acres
				Hydric Criteria Code	Meets Saturation Criteria	Meets Flooding Criteria	Meets Ponding Criteria	
RoC: ROCKAWAY GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES-----	ROCKAWAY (C)	No						3400
RoD: ROCKAWAY GRAVELLY LOAM, 15 TO 25 PERCENT SLOPES-----	ROCKAWAY (C)	No						1650
RpD: ROCKAWAY VERY STONY LOAM, 5 TO 25 PERCENT SLOPES-----	ROCKAWAY (C)	No						13800
RpE: ROCKAWAY VERY STONY LOAM, 25 TO 40 PERCENT SLOPES-----	ROCKAWAY (C)	No						1040
RrD: ROCKAWAY-ROCK OUTCROP ASSOCIATION, SLOPING AND MODERATE LY STEEP-	ROCKAWAY (C)	No						16222
	ROCK OUTCROP (C)	No						9942
RsF: ROCK OUTCROP-NASSAU ASSOCIATION, VERY STEEP-----	ROCK OUTCROP (C)	No						1395
	NASSAU (C)	No						855

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Map Symbol Mapunit Name	Component(C) / Inclusion(I)	Hydric	Local Landform	Hydric Soils Criteria				Acres
				Hydric Criteria Code	Meets Saturation Criteria	Meets Flooding Criteria	Meets Ponding Criteria	
RtE: ROCK OUTCROP-OQUAGA ASSOCIATION, STEEP----	ROCK OUTCROP (C) OQUAGA (C)	No No						7812 4788
RvE: ROCK OUTCROP-ROCKAWAY ASSOCIATION, STEEP----	ROCK OUTCROP (C) ROCKAWAY (C)	No No						14074 8626
Sm: SLOAN AND WAYLAND SILT LOAMS-----	SLOAN (C) WAYLAND (C)	Yes Yes	Flood Plain Flood Plain	2B3,3 2B3	YES YES	NO NO	YES NO	2050 2050
Sp: SWAMP-----	SWAMP (C)	Yes	Swamp	2B3,3	YES	NO	YES	3800
SwB: SWARTSWOOD GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES-----	SWARTSWOOD(C)	No						1270
SwC: SWARTSWOOD GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES-----	SWARTSWOOD(C)	No						1440

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Map Symbol Mapunit Name	Component(C)/ Inclusion(I)	Hydric	Local Landform	Hydric Soils Criteria				Acres
				Hydric Criteria Code	Meets Saturation Criteria	Meets Flooding Criteria	Meets Ponding Criteria	
SwD: SWARTSWOOD GRAVELLY LOAM, 15 TO 25 PERCENT SLOPES-----	SWARTSWOOD(C)	No						680
SxB: SWARTSWOOD AND LACKAWANNA VERY STONY SOILS, 3 TO 8 PERCENT SLOPES-----	SWARTSWOOD(C)	No						1500
	LACKAWANNA(C)	No						1500
SxD: SWARTSWOOD AND LACKAWANNA VERY STONY SOILS, 8 TO 25 PERCENT SLOPES-----	SWARTSWOOD(C)	No						4350
	LACKAWANNA(C)	No						4350
SxE: SWARTSWOOD AND LACKAWANNA VERY STONY SOILS, 25 TO 35 PERCENT SLOPES-----	SWARTSWOOD(C)	No						500
	LACKAWANNA(C)	No						500
UnA: UNADILLA VERY FINE SANDY LOAM, 0 TO 3 PERCENT SLOPES-----	UNADILLA (C)	No						410

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COMPREHENSIVE HYDRIC SOILS LIST (Continued)

Map Symbol Mapunit Name	Component(C)/ Inclusion(I)	Hydric	Local Landform	Hydric Soils Criteria				Acres
				Hydric Criteria Code	Meets Saturation Criteria	Meets Flooding Criteria	Meets Ponding Criteria	
UnB: UNADILLA VERY FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES-----	UNADILLA (C)	No						690
VaB: VALOIS SHALY LOAM, 3 TO 8 PERCENT SLOPES---	VALOIS (C)	No						1270
VaC: VALOIS SHALY LOAM, 8 TO 15 PERCENT SLOPES--	VALOIS (C)	No						1900
VaD: VALOIS SHALY LOAM, 15 TO 25 PERCENT SLOPES--	VALOIS (C)	No						1030
W: WATER (LESS THAN 40 ACRES)-----	ERROR: There is no hydcomp record for component				NJ037 037W	1		
WATER: WATER (GREATER THAN 40 ACRES)-----	ERROR: There is no hydcomp record for component				NJ037 037WATER	1		
Wa: WALLKILL SILT LOAM----	WALLKILL (C)	Yes	Raised Bog	2B3,3	YES	NO	YES	530
WhB: WASHINGTON LOAM, 3 TO 8 PERCENT SLOPES-----	WASHINGTON(C)	No						2000

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Map Symbol Mapunit Name	Component(C)/ Inclusion(I)	Hydric	Local Landform	Hydric Soils Criteria				Acres
				Hydric Criteria Code	Meets Saturation Criteria	Meets Flooding Criteria	Meets Ponding Criteria	
WhC: WASHINGTON LOAM, 8 TO 15 PERCENT SLOPES-----	WASHINGTON(C)	No						780
WhD: WASHINGTON LOAM, 15 TO 25 PERCENT SLOPES-----	WASHINGTON(C)	No						410
WkC: WASHINGTON VERY STONY LOAM, 3 TO 15 PERCENT SLOPES-----	WASHINGTON(C)	No						2000
WkD: WASHINGTON VERY STONY LOAM, 15 TO 25 PERCENT SLOPES-----	WASHINGTON(C)	No						890
WlC: WASHINGTON-WASSAIC COMPLEX, 3 TO 15 PERCENT SLOPES-----	WASHINGTON(C) WASSAIC (C)	No No						4154 2546
WlD: WASHINGTON-WASSAIC COMPLEX, 15 TO 25 PERCENT SLOPES-----	WASHINGTON(C) WASSAIC (C)	No No						2294 1406
WmC: WASSAIC SILT LOAM, 3 TO 15 PERCENT SLOPES--	WASSAIC (C)	No						2850

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COMPREHENSIVE HYDRIC SOILS LIST (Continued)

Map Symbol Mapunit Name	Component(C)/ Inclusion(I)	Hydric	Local Landform	Hydric Soils Criteria				Acres
				Hydric Criteria Code	Meets Saturation Criteria	Meets Flooding Criteria	Meets Ponding Criteria	
WmD: WASSAIC SILT LOAM, 15 TO 30 PERCENT SLOPES--	WASSAIC (C)	No						870
WnD: WASSAIC-ROCK OUTCROP ASSOCIATION, MODERATELY STEEP-----	WASSAIC (C)	No						8308
	ROCK OUTCROP (C)	No						5092
Wo: WHITMAN EXTREMELY STONY SANDY LOAM-----	WHITMAN (C)	Yes	Depression	2B3,3	YES	NO	YES	9400
WsB: WOOSTER LOAM, 3 TO 8 PERCENT SLOPES-----	WOOSTER (C)	No						910
WsC: WOOSTER LOAM, 8 TO 15 PERCENT SLOPES-----	WOOSTER (C)	No						570
WsD: WOOSTER LOAM, 15 TO 25 PERCENT SLOPES-----	WOOSTER (C)	No						660
WsE: WOOSTER LOAM, 25 TO 35 PERCENT SLOPES-----	WOOSTER (C)	No						260



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COMPREHENSIVE HYDRIC SOILS LIST (Continued)

Map Symbol Mapunit Name	Component(C)/ Inclusion(I)	Hydric	Local Landform	Hydric Soils Criteria				Acres
				Hydric Criteria Code	Meets Saturation Criteria	Meets Flooding Criteria	Meets Ponding Criteria	
WtB: WURTSBORO GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES-----	WURTSBORO (C) NORWICH (I)	No Yes	Depression	2B3	YES	NO	NO	910
WtC: WURTSBORO GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES-----	WURTSBORO (C)	No						660
WuB: WURTSBORO VERY STONY LOAM, 0 TO 8 PERCENT SLOPES-----	WURTSBORO (C) NORWICH (I)	No Yes	Depression	2B3	YES	NO	NO	6200
WuC: WURTSBORO VERY STONY LOAM, 8 TO 20 PERCENT SLOPES-----	WURTSBORO (C)	No						210

FOOTNOTE: There may be small areas of included soils or miscellaneous areas that are significant to use and management of the soil; yet are too small to delineate on the soil map at the map's original scale. These may be designated as spot symbols and are defined in the published Soil Survey Report or the USDA-NRCS Technical Guide, Part II.

HYDRIC SOILS CRITERIA CODES AND DEFINITIONS

1. All Histosols, except Folists, or
  2. Soils in Aquic suborders, great groups, or subgroups, Albolls suborder, Aquisalids, Pachic subgroups, or Cumulic subgroups that are:
    - a. Somewhat poorly drained with a water table equal to 0.0 foot (ft) from the surface during the growing season, or
    - b. Poorly drained or very poorly drained and have either:
      - (1) water table equal to 0.0 ft during the growing season if textures are coarse sand, sand, or fine sand in all layers within 20 inches (in), or for other soils
      - (2) water table at less than or equal to 0.5 ft from the surface during the growing season if permeability is equal to or greater than 6.0 in/hour (h) in all layers within 20 in, or
      - (3) water table at less than or equal to 1.0 ft from the surface during the growing season if permeability is less than 6.0 in/h in any layer within 20 in, or
  3. Soils that are frequently ponded for long duration or very long duration during the growing season, or
  4. Soils that are frequently flooded for long duration or very long duration during the growing season.
- .